



FORM PTO-1449

MAY 18 2001

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO. 12273-3

SERIAL NO.:
09/771,536

LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT: Langridge, William H.R. et al.

FILING DATE: January 29, 2001

GROUP: 1646

U.S. PATENT DOCUMENTS

Examiner Initial		DOCKET NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4	8	7	9	1	1	3	11/07/1989	Smith	424	88	
	AB	4	9	5	6	2	8	2	09/11/1990	Goodman et al.	435	69.51	
	AC	5	0	7	9	1	6	5	01/07/1992	Clements et al.	435	252.8	
	AC	5	2	6	8	2	7	6	12/07/1993	Holmgren et al.	435	69.1	
	AE	5	3	0	8	8	3	5	05/03/1994	Clements	514	12	
	AF	5	4	8	4	7	1	9	01/16/1996	Lam et al.	435	172.3	
	AG	5	5	8	9	3	8	4	12/31/1996	Lipscombe et al.	435	252.33	
	AH	5	6	1	2	4	8	7	03/18/1997	Lam et al.	800	205	
	AI	5	6	2	8	9	9	4	05/13/1997	Kaper et al.	424	93.2	
	AJ	5	6	5	4	1	8	4	08/05/1997	Curtiss, III et al.	435	172.3	
	AK	5	6	7	9	8	8	0	10/21/1997	Curtiss, III et al.	800	205	
	AL	5	6	8	1	5	7	1	10/28/1997	Holmgren et al.	424	236.1	
	AM	5	6	8	6	0	7	9	11/11/1997	Curtiss, III et al.	424	234	
	AN	5	7	8	9	2	4	5	08/04/1998	Dubensky, Jr. et al.	435	320.1	

FOREIGN PATENT DOCUMENTS

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	AO	WO	95	0	8	3	4	7	03/30/1995	PCT				

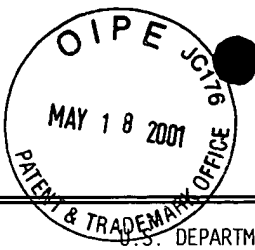
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AP	Arakawa, T. et al.. "A plant-based cholera toxin B subunit-insulin fusion protein protects against the development of autoimmune diabetes." <u>Nature Biotechnology</u> , 16:934-938, October 1998											
	AQ	Arakawa, T. et al.. "Efficacy of a food plant-based oral cholera toxin B subunit vaccine." <u>Nature Biotechnology</u> , 16:292-297, March 1998											
	AR	Arakawa, T. et al.. "Expression of cholera toxin B-subunit oligomers in transgenic potato plants." <u>Transgenic Research</u> , 6:403-413, 1997											
	AS	Bergerot, I. et al.. "A cholera toxoid-insulin conjugate as an oral vaccine against spontaneous autoimmune diabetes." <u>Proc. Nat'l. Acad. Sci. USA</u> , 94:4610-4614 (April 1997)											

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WMB	AT	5	8	6	9	0	5	7	02/09/1999	Rock	424	192.1	
WMB	AU	6	0	1	5	6	9	4	12/18/2000	Dubensky, Jr. et al.	435	69.3	

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	AV													

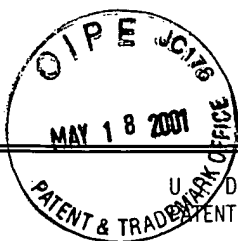
OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

WMB	AW	De Neve, M. et al., "Gene silencing results in instability of antibody production in transgenic plants, <u>Mol. Gen. Genet.</u> 260:582-592 (1999)
	AX	Dertzbaugh, M. et al., "Comparative Effectiveness of the Cholera Toxin B Subunit and Alkaline Phosphatase as Carriers for Oral Vaccines," <u>Infection and Immunity</u> , 61(1):48-55 (January 1993)
	AY	Doherty, P.C. et al., "CD8+ T-cell memory to viruses," <u>Current Opinion in Immunology</u> , 6:545-552 (1994)
	AZ	Gilbert, S.C. et al., "A protein particle vaccine containing multiple malaria epitopes," <u>Nature Biotechnology</u> , 15:1280-1284 (November 1997)
	BA	Haq, T. et al., "Oral Immunization with a Recombinant Bacterial Antigen Produced in Transgenic Plants," <u>Science</u> , 268:714-716 (May 1995)
	BB	Hardy, S.J.S. et al., "Coordinated assembly of multisubunit proteins: Oligomerization of bacterial enterotoxins <i>in vivo</i> and <i>in vitro</i> ," <u>Proc. Natl. Acad. Sci. USA</u> , 85:7109-7113 (October 1988)
	BC	Hein, M.B. et al., "Expression of Cholera Toxin Subunits in Plants," <u>Annals of New York Academy of Sciences</u> , 792:50-56 (May 1996)
	BD	Holgren, J. et al., "Strategies for the Induction of Immune Responses at Mucosal Surfaces Making Use of Cholera Toxin B Subunit as Immunogen, Carrier, and Adjuvant," <u>Am. J. Prop. Med. Hyg.</u> , 42-54 (1994)
	BE	Jackson, Raymond J., "Optimizing Oral Vaccines: Induction of Systemic and Mucosal B-Cell and Antibody Responses to Tetanus Toxoid by use of Cholera Toxin as an Adjuvant," <u>Infection and Immunity</u> , 61(10):4272-4279 (Oct. 1993)
	BF	Jefferson, Richard et al., "GUS fusions: β -glucuronidase as a sensitive and versatile gene fusion marker in higher plants," <u>EMBO Journal</u> , 6(13):3901-3907 (December 1987)
U	BG	Lowe, Keith et al., "Germline Transformation of Maize Following Manipulation of Chimeric Shoot Meristems," <u>Biotechnology</u> , 13:677-682 (July 1995)
	BH	Ma, S.W., "Transgenic plants expressing autoantigens fed to mice to induce oral immune tolerance," <u>Nature Medicine</u> , 3(7):793-796 (July 1997)

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	BI						
	BJ						
	BK						

FOREIGN PATENT DOCUMENTS

		DOCKET NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BL							
	BM							
	BN							

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

W4	BO	McInerney, T.L. et al., "Analysis of the ability of five adjuvants to enhance immune responses to a chimeric plant virus displaying an HIV-1 peptide." <u>Vaccine</u> , 17:1359-1368 (1999)
	BP	Modelska, Anna et al., "Immunization against rabies with plant-derived antigen". <u>Proc. Natl. Acad. Sci. USA</u> , 95:2481-2485 (March 1998)
	BQ	Mowat, A.M., "Oral tolerance therapy- fundamental and practical aspects." <u>Chemistry & Industry</u> , pp. 10-9 (November 1996)
	BR	Nashar, T.O. et al., "Current progress in the development of the B subunits of cholera toxin and Escherichia coli heat-labile enterotoxin as carriers for the oral delivery of heterologous antigens and epitopes." <u>Vaccine</u> , 11(2):235-240 (1993)
	BS	Schon, A. et al., "Thermodynamics of Intersubunit Interactions in Cholera Toxin upon Binding to the Oligosaccharide Portion of Its Cell Surface Receptor, Ganglioside G _{M1} ." <u>Biochemistry</u> , 28:5019-5024 (1989)
	BT	Sedlik, C. et al., "Recombinant parvovirus-like particles as an antigen carrier: A novel nonreplicative exogenous antigen to elicit protective antiviral cytotoxic T cells." <u>Proc. Natl. Acad. Sci. USA</u> , 94:7503-7508 (July 1997)
	BU	Simone, E.A. et al., "Immunologic 'Vaccination' for the Prevention of Autoimmune Diabetes (Type 1A)." <u>Diabetes Care</u> , 22(2):B7-B15 (March 1999)
	BV	Spangler, B.D., "Structure and Function of Cholera Toxin and the Related Escherichia coli Heat-Labile Enterotoxin." <u>Microbiological Reviews</u> , 56(4):622-647 (December 1992)
	BW	Sun, J., et al., "Cholera toxin B subunit: An efficient transmucosal carrier-delivery system for induction of peripheral immunological tolerance." <u>Proc. Natl. Acad. Sci. USA</u> , 91:10795-10799 (November 1994)
	BX	Williams, Neil A. et al., "Immune modulation by the cholera-like enterotoxins: from adjuvant to therapeutic." <u>Immunology Today</u> , (February 1999)

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WA	AA	5	0	9	8	9	9	8	03/24/1992	Mekalanos et al.	530	350	
	AB	5	6	9	8	4	1	6	12/16/1997	Wolf et al.	435	69.1	
	AC	5	8	9	1	4	3	2	04/06/1999	Hoo	424	93.21	
	AD	5	9	1	7	0	2	6	06/29/1999	Löwenadler et al.	536	23.4	
	AE	6	0	3	0	6	2	4	02/29/2000	Russell et al.	424	200.1	
	AF	6	0	3	6	9	5	3	03/14/2000	Ryan et al.	424	93.2	
	AG	6	1	1	0	7	2	4	08/29/2000	Nakagomi et al.	435	235.1	
	AH	6	1	9	4	5	6	0	02/27/2001	Arntzen et al.	536	23.7	
	AI												
	AJ												

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		DOCKET NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
WA	AK	WO	93	1	0	2	4	6	05/27/1993	PCT				
	AL	WO	95	0	8	6	3	3	03/30/1995	PCT				
	AM	WO	96	1	1	7	0	8	04/25/1996	PCT				
	AN	WO	98	2	3	7	6	3	06/04/1998	PCT				
	AO													
	AP													
	AQ													
	AR													

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AS	
	AT	
	AU	

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	AA												
	AB												
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												

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FOREIGN PATENT DOCUMENTS

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													YES	NO
AK	AJ	EPO	4	3	7	3	2	0A1	07/17/91	Europe				
AK	AK	WO	96	2	6	2	1	8	08/29/96	PCT				
	AL													
	AM													
	AN													
	AO													
	AP													
	AQ													
	AR													

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

AS	AS	Arakawa, T., "Suppression of Autoimmune Diabetes by a Plant-Delivered Cholera Toxin B Subunit-Human Glutamate Decarboxylase Fusion Protein." Transgenics. 3:51-60 (1999)											
AT	AT	Mason, H.S., "Transgenic plants as vaccine production systems." Tibtech. 13:388-392 (September 1995)											
	AU												

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